



205325

100055

Letter of Transmittal

Black & Veatch Special Projects Corp.

101 North Wacker Drive, Suite 1110, Chicago, Illinois, 60606 Phone: (312) 346-3778 Fax: (312) 346-1781

To: Ms. Sheri Blanchin
United States Environmental Protection Agency
77 West Jackson Boulevard (SRW-61)
Chicago, Illinois 60604

Date: 10-Feb-98
From: Steve Mirkvicka
Project: American Chemical Services
Project No: 46517
File: C-3

We are sending you ☐ Attached ☐ Under separate cover via

☐ Preliminary Report ☐ Specifications
☐ Final Report ☐ Change Order
☐ XXX Other ☐ Field Oversight Summary Report ☐ Addendum

These items are transmitted

☐ As requested ☐ XXX For your information
☐ For your approval ☐ For review and comment

Remarks: Enclosed is the field oversight summary report for the Fifth Quarterly Sampling Round that occurred in December.

Please call me at 312/683-7849 if you have any questions.

American Chemical Services
Work Assignment 029-ROBE-0517

Copy to:

Signed:

10-Feb-98

USEPA/ARCS V BVSPC Oversight Summary

Reporting Period: December 9 to 18, 1997 Hours Worked: 85
Site Name/Location: ACS/Griffith, IN BVSPC Project No.: 46517.233
USEPA Work Assignment Manager: Sheri Bianchin, RPM
Site Manager: Steve Mrkvicka

Personnel Summary Affiliation	No. of Personnel	Responsibility
Ben McGeachy, Lee Orsor, Tom Blair, Montgomery Watson, Addison, IL	3	Respondent's General Contractor
Jeff Ramsby and Mark Pauli, Montgomery-Watson, Madison, WI	2	Field Sampling Crew (for quarterly groundwater sampling)
Steve Mrkvicka, BVSPC	1	USEPA Oversight Contractor

Summary of field activities:

During the weeks of December 8 and 15, 1997, Montgomery Watson conducted quarterly groundwater sampling. One Montgomery Watson field sampling crew sampled monitoring wells within the ACS site boundaries, the wetland area, the City of Griffith Landfill, and the areas that lie north, south, and east of the ACS facility. BVSPC's one-man crew oversaw the field activities and collected split samples from 8 of the wells. The BVSPC representative accompanied the sampling team to ensure that proper sampling techniques were conducted and the SOP for low flow groundwater sampling was followed by the sampling team. The BVSPC representative collected the appropriate EPA split sample and maintained custody of previously collected samples, which were stored and packaged at the Perimeter Groundwater Containment System treatment building. BVSPC wrote sample paperwork such as the chain of custody forms, custody seals, and sample tagging, in addition to the overview of Montgomery Watson sample paperwork procedures and their decontamination set-up and routine.

Montgomery Watson collected approximately 50 groundwater samples, duplicate samples, matrix spike/matrix spike duplicate (MS/MSD) samples, and field equipment rinsate blanks. Samples were collected from monitoring wells, including Town of Griffith

Landfill monitoring wells. The monitoring wells sampled by Montgomery Watson are listed in the field logbook notes, which are attached to this report.

BVSPC, on behalf of EPA, collected split samples from MW-15, MW-39, MW-54, M4S, MW-8, MW-28, MW-32, and MW-18). One equipment rinsate blank collected by Montgomery Watson was also split by BVSPC to ensure that proper decontamination procedures produced clean sampling equipment. As required by the EPA-approved Quality Assurance Project Plan, BVSPC collected one duplicate samples and one MS/MSD sample. Trip blanks accompanied each sample shipment containing samples for volatile organic analysis. Four trip blanks were shipped. The samples for the organic analyses were shipped to PDP Analytical Services, The Woodlands, Texas, which was a Contract Laboratory Program lab assigned by EPA Sample Management Office. The samples for inorganic analyses were shipped to EPA Region V Central Regional Laboratory. All samples were designated for low concentration drinking water analyses.

Signature: 

Date: February 10, 1997

(100)

SMWL

12-9-97

0630 leave home

0700 Arrive at office to pick up paper-work and check my messages.

0800 Arrive at site. Purpose of site visit is to oversee quality monitoring, well sampling activities and collect split samples.

Low concentration TCL samples will send to PDP Analytical, The Woodlands, TX. Low concentration THL samples will go to CRL, Chicago, IL. Begin organizing bottles and paperwork.

1045 Paperwork completed to collect first sample.

1200 Break for lunch.

1300 Return from lunch. I bought ice, baggies, paper towels, and ummiculite. Montgomery Water crew returns from lunch.

1320 MW crew put to collect remaining water levels before sampling begins.

1510 Move to MW28. Nicole Littlell yard at 1002 Cedar Road.

SMWL

12-9-97

(101)

time	pH	cond	temp	trub
1528	8.00	440	10.8	10.5
1530	8.04	443	10.7	10.7
1532	8.06	444	10.6	6.9
1534	8.06	438	10.9	6.0
1536	8.06	444	11.9	3.3
1538	8.07	437	13.1	3.0
1540	8.07	444	13.8	2.7

1545 Collect GWP1 @ MW28. Sample collected through the hydrophobic barrier then it insufficient hose length.

1555 Complete split sample.

1615 Max over to MW15. Along old gas parcel line, railroad right of way southeast of site/campfill.

time	pH	cond	temp	trub
1619	6.96	4800	40.2	317
1621	7.02	4870	10.3	477
1623	7.03	4880	10.5	280
1625	7.05	4890	12.6	174
1627	7.07	4890	13.0	104
1629	7.07	4900	13.5	74
1631	7.07	4910	13.6	64
1633	7.07	4910	13.7	58

(102)

SMALL

12-9-97

1635 Collect Gw102 and Gw02 duplicate

@ MW15

1650 Complete collection at MW15.

1700 Back at building to pack samples.

1800 Leave site for Fed Ex.

1915 After dropping off samples,
I drive home.

SMALL 12-10-97

(103)

0645 Leave home for office to pick
up some paperwork.0815 Arrive at site. Collect bottles
and head car to Town of Knapfield
Landfill. MW15 is collecting
sample at well near entrance of
gate to the landfill (MW16).
Move to collect sample at MW15.0915 Complete sampling at MW15. Move
to M45 and M40.

First well sampled is M45.

Time	pH	cond	Temp	Turb
927	6.13	2310	10.6	137
929	6.23	2920	12.9	113
931	6.24	2940	13.0	67
933	6.26	2960	12.3	62
935	6.26	2970	12.4	97

0945 Collect Gw103 at M45. Begin
diagram at M40. M45 had
distinct odor and was slightly
brown color.1015 Finish collection at M40. Return
to treatment building to complete
paperwork.

(104)

SMILL 12-10-97

- 1135 Collect nitrate blank EBO1.
 1230 Break for lunch.
 1320 Return from lunch. Bought ice during lunch. Continue preparing perovskite in advance.
 1430 Move to sample MW54 north of the ACS facility.

time	pH	cond	temp	turb.
1437	7.24	1145	9.6	253
1439	7.37	1161	10.2	257
1441	7.51	1161	12.2	287
1443	7.43	1160	13.0	170
1445	7.44	1159	13.2	141
1447	7.44	1157	13.2	106
1449	7.44	1155	13.1	98
1451	7.45	1154	13.1	73
1453	7.46	1153	13.2	63
1455	7.45	1153	13.1	49
1457	7.45	1154	13.2	45
1459	7.45	1153	13.2	40

- 1510 Collect CN04 @ MW54.
 1515 Move to MW55.
 1530 Complete sampling at MW55. I go to treatment building to pack samples.

1745 Leave site
 1845 arrive home

SMILL 12-11-97

(105)

- 0730 Leave home to drop off metals and cyanide at CRL in Chicago.
 0815 Drop off samples at CRL.
 0900 arrive at site. Chris has sampled MW38. Chris moves to MW39. Begin perovskite.

time	pH	cond	temp	turb.
0940	6.55	1388	9.3	169
0942	6.62	1395	10.1	85
0944	6.64	1397	10.1	67
0946	6.66	1396	10.2	40
0948	6.68	1394	10.3	37
0950	6.69	1393	10.3	21
0952	6.70	1391	10.4	20
0954	6.70	1392	10.4	19

- 1000 Sample G009 @ MW39.
 1020 Finish at MW39. Return to treatment building to pack samples. Check on my phone messages at desk.
 1115 Begin sampling at MW40 east of lobby across from ACS facility.
 1135 Chris done sampling at MW40. MW crew is Jeff Rumbold and Mark Pauli.

(106)

SMWL 12-11-97

1200 Move to MW1B off of Reda Road
(1009 Reda Road) I will collect
MS/MSD here.

Time	pH	Cond	Temp	Turb
1210	6.84	984	10.8	1.5
1212	6.81	987	11.7	2.3
1214	6.81	982	12.0	2.7
1216	6.82	974	12.0	1.0
1218	6.83	967	12.1	+0.9 MW4-11-97
1220	6.83	959	12.1	0.8

1225 Collect GNO₆ @ MW1B. Collect through
Hydrolap.

1255 Complete sampling @ MW1B. Go
back to treatment building to
pick samples.

1415 Break for lunch. Buy ice.

1515 Return from lunch. Char is
sampling at MW41 and MW45.

1625 Complete sampling.

1700 Leave site for home.

1800 Arrive home.

SMWL

12-12-97

(107)

0800 Leave the home for the site.
0900 Arrive at the site.
0805 Move to MW1B MW31 MW32
well cluster.

0820 Start purging MW32.

Time	pH	Cond	Temp	Turb
0825	7.74	72	11.4	4.3
0827	7.50	713	11.3	205
0831	7.76	813	11.1	124
0833	7.87	821	12.8	146
0835	7.77	825	12.9	151
0837	7.78	827	12.9	160

0845 Collect sample GNO₁ @ MW32.

0849 Complete sampling @ MW32.

Go to treatment building to pick
samples.

0905 Return to MW1B area. Clear down

Sampling MW31.

1000 Go back to sample MW1B. Begin

purging well.

Time	pH	Cond	Temp	Turb
1009	7.49	424	10.1	1.4
1011	7.65	420	10.5	1.3
1013	7.66	429	12.2	1.3
1015	7.67	430	12.9	1.3

(108) SMILLA 12-12-97

1020 Collected sample GND00 MWA8

1035 Back at treatment building
to pack samples.

1200 Complete packing. Leave
site to drop off material at
David Zella's house, who
will be doing oversight on
Sunday at AES.

SMILLA

12-15-97 (109)

0800

Leave at home.

0900

Arrive at the site.

Collect samples the following will be in
the morning.

1020

Sample MWA6.

1100

Sample MWA3.

1200

Breakfast for Lunch.

1330

Return to work.

1430

Sample MWA8.

1510

Sample MWA3.

1615

Sample MWA11.

1700

Leave site.

(110)

SMALL 12-16-97

0700 leave home for the site.
 0800 arrive at site.
 Crew samples the following wells
 in the morning.
 0835 Sample MW48.
 0920 Sample MW37.
 1050 Sample MW22.
 1115 Sample MW19.
 1145 Break for lunch.
 1345 Back from lunch.
 1510 Sample MW47.
 1600 Sample MW44.
 1705 Sample MW12.
 Leave the site.

SMALL

12-17-97

(111)

0700 leave home go to office to pick
 up log book and paperwork.
 0810 arrive at site. Crew is
 sampling at MW30 MW33 well next.
 0915 Collect sample at MW30 MW33
 1005 Finish sampling at MW31.
 1040 Time at MW31. Move to MW13.
 1105 Done at MW13. Return to
 treatment building. Break for
 lunch @ 1130.
 1345 Crew returns from lunch.
 Move to MW52 and MW53.
 1415 Collect sample at MW53.
 1435 Pumping at MW52.
 1500 Done at MW52. Back to building.
 1545 Crew at MW24.
 1605 Done at MW24. I leave site.

(112) SMDL 12-18-97

0800 Arrive at site. Crew going to
MW9 MW14 MW29 MW34 next.

0845 Collect sample at MW9. Water
is pink from dye used during
the MW9 investigation. Pump @
MW14.

0915 Finish MW9 and MW14. Pump
MW34.

1000 Done sampling MW34 and MW29.
Go back to treatment building to
pack samples.

1120 Go to MW21.

1155 Sample at MW21.

1230 Break for lunch.

1400 Crew back from lunch.

Head to MW50.

1500 Done at MW50.

1530 Move to MW10C.

1610 Finish at MW10C. Leave site.